

**FUTURE FISHERIES IMPROVEMENT PROGRAM GRANT APPLICATION***All sections must be addressed, or the application will be considered invalid***I. APPLICANT INFORMATION**

A. Applicant Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_ E-mail: \_\_\_\_\_

B. Contact Person (if different than applicant): \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_ E-mail: \_\_\_\_\_

C. Landowner and/or Lessee Name  
(if different than applicant): \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_ E-mail: \_\_\_\_\_

**II. PROJECT INFORMATION**

A. Project Name: \_\_\_\_\_

River, stream, or lake: \_\_\_\_\_

Location: Township: \_\_\_\_\_ Range: \_\_\_\_\_ Section: \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_ *within project (decimal degrees)*

County: \_\_\_\_\_

B. Purpose of Project:

C. Brief Project Description (attach additional information to end of application):

D. Length of stream or size of lake that will be treated: \_\_\_\_\_

E. Project Budget:

**Grant Request (Dollars):** \$ \_\_\_\_\_

Matching Dollars: \$ \_\_\_\_\_

Matching In-Kind Services:\* \$ \_\_\_\_\_

*\*salaries of government employees are not considered matching contributions*

**Total Project Cost:** \$ \_\_\_\_\_

F. **Attach** itemized (line item) budget – see *budget template*

G. **Attach** specific project plans, detailed sketches, plan views, photographs, maps, evidence of landowner consent, evidence of public support and fish biologist support, and/or other information necessary to evaluate the merits of the project. If project involves water leasing or water salvage complete a *supplemental questionnaire*\_(fwp.mt.gov/habitat/futurefisheries/supplement2.doc).

H. **Attach** land management & maintenance plans that will ensure protection of the reclaimed area.

**III. PROJECT BENEFITS** (attach additional information to end of application):

A. What species of fish will benefit from this project?

B. How will the project protect or enhance wild fish habitat?

C. Will the project improve fish populations and/or fishing? To what extent?

- D. Will the project increase public fishing opportunity for wild fish and, if so, how?

- E. The project agreement includes a 20-year maintenance commitment. Please discuss your ability to meet this commitment.

- F. What was the cause of habitat degradation in the area of this project and how will the project correct the cause?

- G. What public benefits will be realized from this project?

- H. Will the project interfere with water or property rights of adjacent landowners? (explain):

- I. Will the project result in the development of commercial recreational use on the site? (explain):



J. Is this project associated with the reclamation of past mining activity?

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**Each approved project applicant must enter into a written agreement with Montana Fish, Wildlife & Parks specifying terms and duration of the project. The applicant must obtain all applicable permits prior to project construction. A competitive bid process must be followed when using State funds.**

#### IV. AUTHORIZING STATEMENT

I (we) hereby declare that the information and all statements to this application are true, complete, and accurate to the best of my (our) knowledge and that the project or activity complies with rules of the Future Fisheries Improvement Program.

Applicant Signature:  Date: \_\_\_\_\_

Sponsor (if applicable): \_\_\_\_\_

Submittal: **Applications must be *signed and received before December 1 and June 1* of each year to be considered for the subsequent funding period.** Late or incomplete applications will be rejected.

Mail to: Montana FWP Fish Management Bureau PO Box 200701 Helena, MT 59620-0701	Email: Michelle McGree <a href="mailto:mmcgree@mt.gov">mmcgree@mt.gov</a> (electronic submissions must be signed) For files over 10MB, use <a href="https://transfer.mt.gov">https://transfer.mt.gov</a>
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*Applications may be rejected if this form is modified.*

Cottonwood Creek fish barrier  
**BUDGET TEMPLATE SHEET FOR FUTURE FISHERIES PROGRAM APPLICATIONS**

002-2020

Both tables must be completed or the application will be returned

WORK ITEMS (ITEMIZE BY CATEGORY)	NUMBER OF UNITS	UNIT DESCRIPTION*	COST/UNIT	TOTAL COST	CONTRIBUTIONS			
					FUTURE FISHERIES REQUEST	IN-KIND SERVICES**	IN-KIND CASH	TOTAL
<b>Personnel***</b>								
Survey	2	hours	\$90.00	\$ 180.00			180.00	\$ 180.00
Design				\$ -				\$ -
Engineering				\$ -				\$ -
Permitting				\$ -				\$ -
Oversight	60		\$65.00	\$ 3,900.00		3,900.00		\$ 3,900.00
				\$ -				\$ -
			Sub-Total	\$ 4,080.00	\$ -	\$ 3,900.00	\$ 180.00	\$ 4,080.00
<b>Travel</b>								
Mileage	360	mile	\$0.56	\$ 201.60		201.60		\$ 201.60
Per diem				\$ -				\$ -
			Sub-Total	\$ 201.60	\$ -	\$ 201.60	\$ -	\$ 201.60
<b>Construction Materials****</b>								
Treated lumber				\$ 14,456.00	2,000.00		12,456.00	\$ 14,456.00
Rip Rap	9	Yard	\$100.00	\$ 900.00	900.00			\$ 900.00
Nails, bolts, etc.	120	Each	\$1.95	\$ 234.00			234.00	\$ 234.00
Grass Seed	2	Pound	\$55.00	\$ 110.00			100.00	\$ 110.00
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -
			Sub-Total	\$ 15,700.00	\$ 2,900.00	\$ -	\$ 12,790.00	\$ 15,700.00
<b>Equipment and Labor</b>								
Equipment	46	hours	\$100.00	\$ 4,600.00	4,600.00			\$ 4,600.00
Labor	126	hours	\$45.00	\$ 5,670.00			5,670.00	\$ 5,670.00
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -
			Sub-Total	\$ 10,270.00	\$ 4,600.00	\$ -	\$ 5,670.00	\$ 10,270.00
<b>Mobilization</b>								
Mobilization				\$ 585.00			585.00	\$ 585.00
Demobilization				\$ 585.00			585.00	\$ 585.00
Travel				\$ 180.00			180.00	\$ 180.00
				\$ -				\$ -
			Sub-Total	\$ 1,350.00	\$ -	\$ -	\$ 1,350.00	\$ 1,350.00

Cottonwood Creek fish barrier  
**BUDGET TEMPLATE SHEET FOR FUTURE FISHERIES PROGRAM APPLICATIONS**

002-2020

<b>TOTALS</b>	\$	31,601.60	\$	7,500.00	\$	4,101.60	\$	19,990.00	\$	31,601.60
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**OTHER REQUIREMENTS:**

**All of the columns in the budget table and the matching contribution table MUST be completed appropriately or the application will be invalid.** Please see the example budget sheet for additional clarification.

\*Units = feet, hours, inches, etc. Do not use lump sum unless there is no other way to describe the costs.

\*\*Can include in-kind materials. Justification for in-kind labor (e.g. hourly rates used for calculations). Describe here or in text.

Reminder: Government salaries cannot be used as in-kind match

\*\*\*The Review Panel suggests that design and oversight costs associated with a proposed project not exceed 15% of the total project budget. If design and oversight costs are in excess of 15%, applications must include a minimum of two competitive bids for the cost of undertaking the project.

\*\*\*\*The Review Panel recommends a maximum fencing cost of \$1.50 per foot. Additional costs may be the responsibility of the applicant and/or partners.

**MATCHING CONTRIBUTIONS** (do not include requested funds)

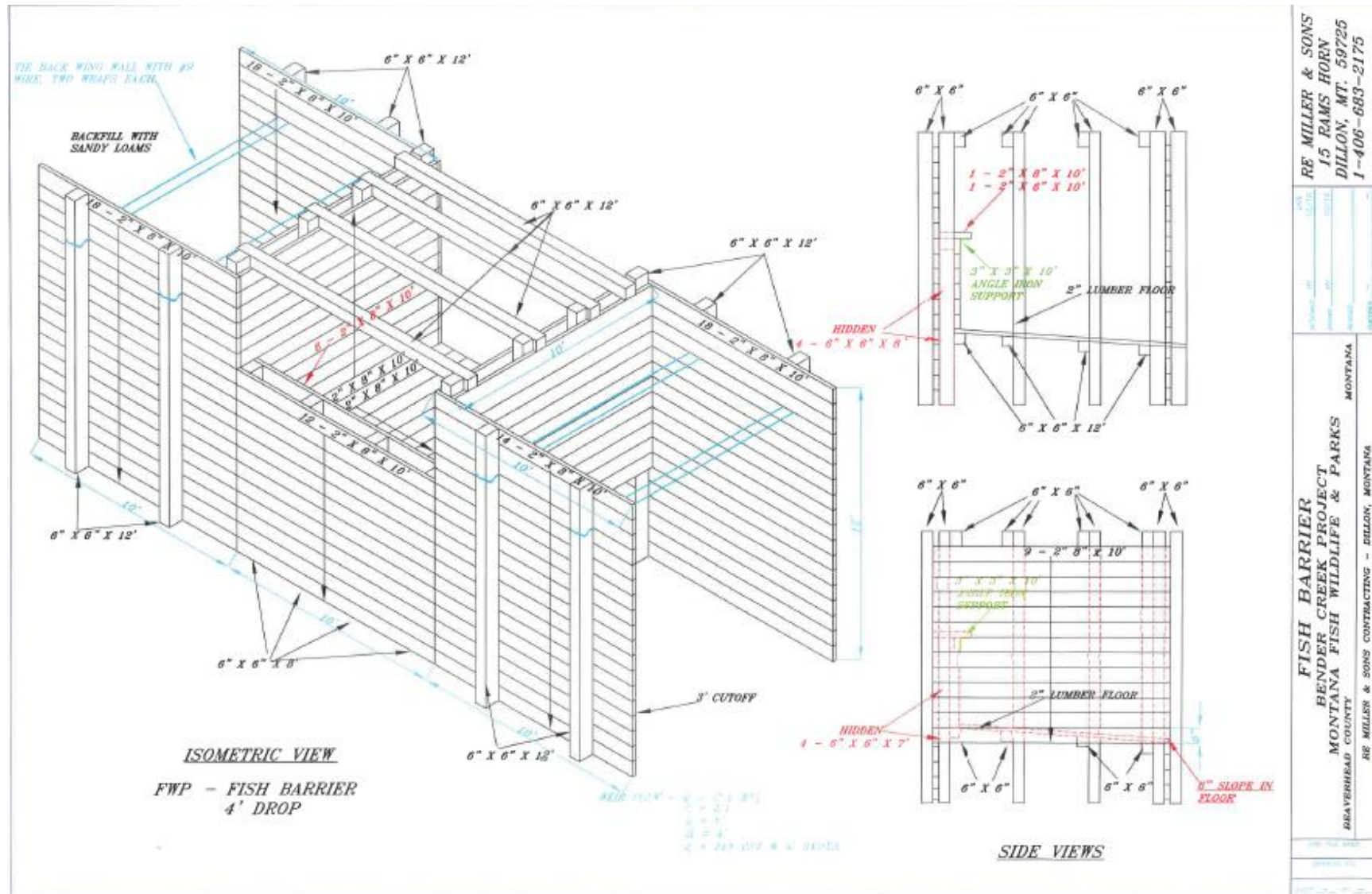
CONTRIBUTOR	IN-KIND SERVICE	IN-KIND CASH	TOTAL	Secured? (Y/N)
Montana Trout Unlimited	\$ 4,101.60	\$ 5,000.00	\$ 9,101.60	Y
George Grant Trout Unlimited	\$ -	\$ 5,000.00	\$ 5,000.00	Y
Trout and Salmon Foundation	\$ -	\$ 5,000.00	\$ 5,000.00	Y
Montana Trout Foundation	\$ -	\$ 5,000.00	\$ 5,000.00	N (applied for)
	\$ -		\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
<b>TOTALS</b>	\$ 4,101.60	\$ 20,000.00	\$ 24,101.60	











## Part II-C. Supplemental Information

**Phase I** of the project is complete. The landowner has signed written permission for the project. The fish passage barrier design is being modeled from an adjacent project on the Matador Ranch in similar topography and geology. MTU Project Manager, Chris Edgington, and Matt Jaeger, FWP fisheries biologist, have identified the site and confirmed it with the contractor.

**Phase II** of the project will be the construction of the wooden drop structure fish passage barrier. The barrier has a 7-foot drop and a minimum lifespan of 50 years. The barrier is 16 feet upstream of a historic cattle crossing. The crossing will be hardened with native materials, effectively reducing hoof shear and sediment load in the stream.

**Phase III** of the project will be to revegetate the disturbed ground around the fish passage barrier and improved cattle crossing. The MTU Project Manager and volunteers from the Chuck Robbins and George Grant TU chapters from Dillon and Butte respectively will be planting a native seed mix and willow stakes to re-naturalize the area. This project will likely engage 3-5 volunteers in 15 hours of volunteer labor.

**Phase IV** will be a cooperative effort by the MTU Project Manager, FWP, Beaverhead-Deerlodge National Forest (USFS), and the Bureau of Land Management (BLM) to treat the newly secured 4.5 miles of stream between the natural fish barrier and the wooden drop structure fish barrier with the piscicide, rotenone. FWP will utilize eDNA to determine the success of the piscicide treatment. Once the newly secured stretch is confirmed to be free of hybrids and non-natives, resident WCT from above the natural fish barrier will naturally populate the newly available habitat. Matt Jaeger expects the population to increase from the secured 600 fish currently inhabiting the stream reach above the natural fish barrier to 2,500 fish in the newly secured reach above the constructed fish passage barrier within five years of successful recruitment. Cottonwood Creek WCT will eventually populate Blacktail Deer Creek, making them available to anglers, diversifying the fishery.

**Phase V** The newly increased, genetically-pure population will be an important WCT broodstock, available to establish new populations across the Upper Missouri River Basin. The proximity of Cottonwood Creek to FWP's Dillon field office makes this population convenient for biologists to access.

FWP.MT.GOV

THE **OUTSIDE** IS IN US ALL.

Dillon Field Office-Fisheries

Dillon, Montana

406-683-9310

October 25, 2019

Dear Review Panel,

I strongly support Montana Trout Unlimited's proposal to install a fish barrier on Cottonwood Creek to support Westslope Cutthroat Trout (WCT) conservation efforts.

The upper 0.6 miles of Cottonwood Creek supports one of five remaining genetically unaltered populations of WCT in the Beaverhead Sub-basin. There are only 600 fish in this population, placing them at risk of genetic and demographic extirpation.

The proposed barrier would provide a cost-effective approach to expand the Cottonwood Creek WCT population. This project, in conjunction with removal of non-native fishes, would add several miles of habitat and secure this population. FWP is committed to completing MEPA and implementing any resultant projects to remove non-native fishes upstream of the barrier as well as any genetic or demographic management needed to ensure expansion and long-term viability of this population and this project's success.

Montana Trout Unlimited has been and continues to be an integral partner and facilitator in addressing diverse watershed issues and impairments. They have a strong track record of working with DNRC, DEQ, BLM, USFS, FWP, irrigators, and other stakeholders to resolve complex issues. This grant will provide support essential for completion of Cottonwood Creek WCT restoration objectives as well as broader inter-agency WCT conservation goals.

Thank you for the opportunity to comment on this project and your continuing dedication to conserving and restoring Montana's fisheries resources.

Sincerely,



Matthew Jaeger  
Fisheries Management Biologist



Dear Matt and Chris,

The Matador Cattle Company is supportive of barrier installation to protect and secure native Westslope Cutthroat Trout in Cottonwood Creek. Matador prides itself on land and cattle management that is compatible with providing sustainable stream habitat and fish populations. Similarly, Matador supports sustainable fish conservation projects like the barrier to isolate native Westslope Cutthroat Trout on Cottonwood Creek.

Sincerely,

Hank Willemsma  
Manager  
Matador Cattle Company

Hank Willemsma  
Assistant Manager  
Matador Cattle Company  
Beaverhead Ranch  
9500 Blacktail Rd.  
Dillon, MT 59725  
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